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BORING/WELL NO.
B-13

SOIL BORING LOG

PROJECT NO./NAME
G0B7M-RP50-B.01A201/ARCO Facility No. 6131

LOCATION
**3201 Harbor boulevard
Costa Mesa, California**

DRILLING CONTRACTOR/DRILLER
Cascade Drilling, Inc./Gary

APPROVED BY
Dean A. Richesin, P.G. No. 3587

GEOLOGIST/OFFICE
Susan Nielsen/Orange County

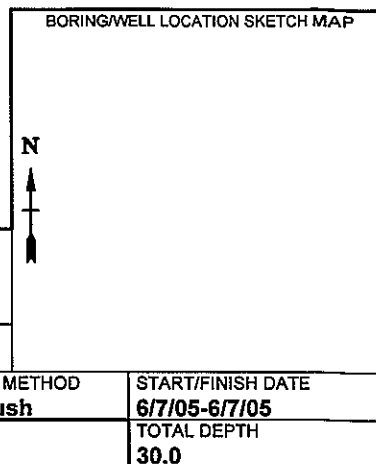
DRILLING EQUIPMENT/METHOD
Geoprobe/Direct Push

SIZE/TYPE OF BIT
1.5"/Soil

SAMPLING METHOD
Direct Push

START/FINISH DATE
6/7/05-6/7/05

TOTAL DEPTH
30.0



LITHOLOGY

SAMPLING DATA

Depth, feet	Graphic Log	Visual Description	Sample No. and Interval	Penetration Rate (Blows/ft.)	PID Values (ppm)
		ASPHALT			
5		CLAY (CL): light brown/reddish brown, low plasticity, soft, trace fine micaceous sand, slightly moist	B-13-5		0
10		SAND (SP): brown, fine to medium grained, micaceous, medium dense, little low plastic clay, slightly moist	B-13-10		1.7
15		Yellowish orange, very fine to fine grained, trace silt, micaceous, loose	B-13-15		6.2
20		Tan, no silt, slightly micaceous	B-13-20		0
25		Brown, fine to medium grained, trace silt, medium dense, wet	B-13-25		0
30		CLAY (CL): greenish grey, low plasticity, stiff, trace very fine micaceous sand, moist Boring terminated at 30 feet below ground surface (ft bgs) due to refusal. Groundwater was encountered at 25 ft bgs during drilling. Boring was backfilled with bentonite grout.	B-13-30		0

GROUND
WATER
ENCOUNTERED
JUN 7, 2005

SOIL 6131.GPJ DELTAENV.GDT 9/1/05